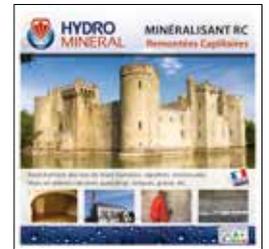




CAUSES OF HUMIDITY

Humidity is a major cause of discomfort in any habitation, it damages the materials, the aesthetic and health. Humidity is mainly due to the condensation (problems from the insulation) infiltration of water (facades, roofs, pipes), ventilation (which is often poor) and to the phenomenon of capillary action.



CAPILLARY ACTION

The phenomenon of capillary action is caused by humidity in the floor then rising into walls and humidifies their base up to a variable height of 1.50 meters.

Several factors may be the cause of capillary action: poor drainage of rain water, habitat located in a bowl or sloping land, water sources, deterioration or obstruction of drains used to evacuate the water around the foundations.

The problem of the capillary action arises only when the humidity of the ground and the permeability of the materials allows for the water to be sucked up such as a sponge.

The walls then develops mosses and moulds. In which the plaster, wallpaper or coating becomes deteriorated. Capillary action also create white spots called saltpetre, which attacks the structure of the house and causes the erosion of materials.

Such damage is not only apparent, they are also indicative of the presence of bacteria and germs in the material, which will contaminate the ambient air. This manifestation of moisture causes respiratory allergies, asthma, conjunctivitis, etc...

SALTPETRE

The name comes from the Latin "salpetrae": rock salt. Capillary action conveys the underground water through the walls. This water is responsible for nitrifying bacteria and ammonia, which in contact with oxygen and potassium carbonate contained in the masonry, will create potassium nitrate: the saltpetre. This phenomenon also create breaks in the capillary network which alters the structure of the material.

HYDRO-MINERAL TREATMENT

MINERALIZER RC Hydro-Minéral creates a natural barrier of silica which blocks the development of saltpetre. During the drying phase, the mineral salts present in the masonry are deprived of moisture and will migrate to the surface to absorb the ambient air, causing a flow out of saltpetre. The ambient air is less and less humid due to the drying up of walls, saltpetre completely disappear permanently after a few weeks.

The Mineralizer RC Hydro-Minéral, will also sustainability consolidate the materials damaged by the formation of saltpetre.